What is claimed is:

1. An Nb_3Sn-based superconductive wire comprising a bronze/filament aggregate obtained by placing a lot of niobium (Nb) or niobium alloy filaments in a copper (Cu)-tin (Sn)-based alloy matrix,

wherein said niobium or niobium alloy filament constituting said bronze/filament aggregate is a composite filament obtained by combining with a filament reinforcing material having mechanical strength under temperature not more than room temperature after thermal treatment for producing an Nb_3Sn-based superconductive compound, larger than the mechanical strength of said niobium or niobium alloy.

2. The Nb_3Sn-based superconductive wire according to Claim 1 wherein said filament reinforcing material is composed of a niobium alloy, tantalum (Ta), tantalum alloy, tungsten (W), tungsten alloy, titanium (Ti), titanium alloy, molybdenum (Mo), molybdenum alloy, vanadium (V), vanadium alloy, zirconium (Zr), zirconium alloy, hafnium (Hf) or hafnium alloy.

3. The Nb_3Sn-based superconductive wire according to Claim 1 wherein said composite filament comprises said filament reinforcing material in volume fraction of 0.05 to 0.65 in the composite filament.

4. The Nb_3Sn-based superconductive wire according to Claim 1 wherein said composite filament has a diameter of 15 μm or less.

5. The Nb_3Sn-based superconductive wire according to Claim 1 wherein the volume ratio of the niobium or niobium alloy forming said composite filament to the copper-tin-based alloy matrix is 0.8 or more and 2.5 or less and the volume ratio of the composite filament to the copper-tin-based alloy matrix is 0.3 or more.